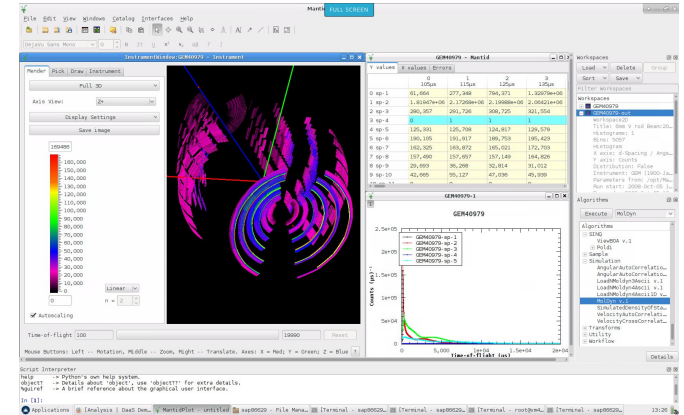# IDAaaS:
ISIS Data Analysis as a Service
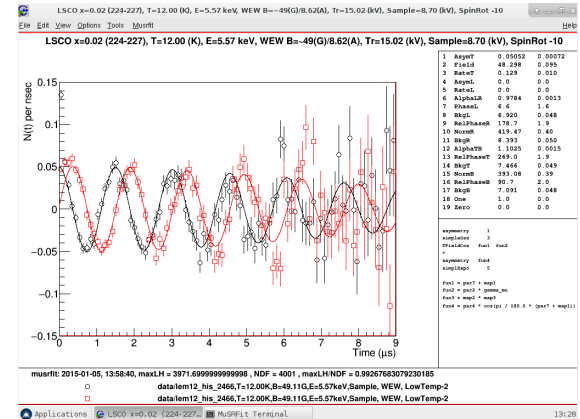
Frazer Barnsley

IRIS F2F - Jan 2019

Summary

- Providing **customised VMs** to **ISIS science groups** for **interactive analysis**

- Uses STFC Openstack Cloud

- ISIS science groups
  - Operational: Excitations, WISH
  - Development: Muon, Tomography
  - Future: Reflectometry, Disordered Materials, Engin-X

- WISH : 8 CPU, 32GB RAM, GPU
  14CPU, 128GB RAM, GPU

- Excitations: 8 CPU, 32GB RAM
  8 CPU, 32GB RAM, GPU
  28 CPU, 90GB RAM

Science & echnology
acilities Council

U Research
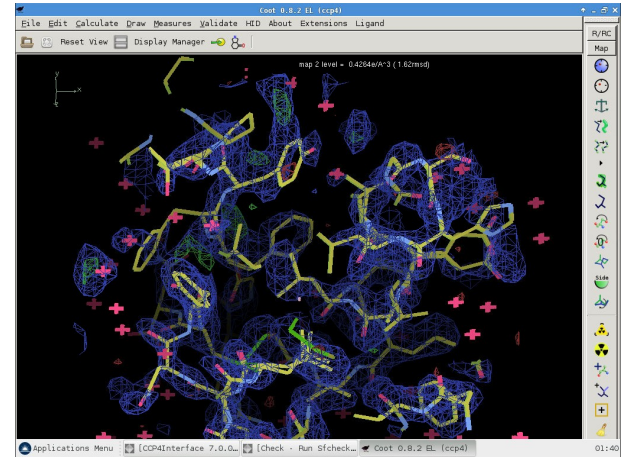and nno ation

Status

- Operational end of 2018

- ISIS Cycles
  - 13th November – 28th December
  - 5th February   – 29th March
  - 4th June   – 19th July

- Last cycle peaked at 50 VMs
  - Half in use, half in standby
  - VMs auto-deleted after 24 hours of inactivity

- 24/7 support

2019

- Better reporting on usage

- Putting more science groups into operation

- Exploring use of other cloud resources

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